|  |  |
| --- | --- |
| [abc] | a,b or c |
| [^abc] | Any character except abc |
| [a-z] | a to z |
| [A-Z] | A to Z |
| [a-zA-Z] \w (\W = not \w) | Any lower case or upper case character |
| [0-9] another expression is \d ( \D = not \d) | Al the digits |
| \s and not for white space \S |  |

Quantifier

|  |  |
| --- | --- |
| [ ]? | Occurs 0 or 1 time (at most) |
| []+ | 1 or more times (at least 1) |
| []\* | 0 or more times |
| []{n} | Exactly n times |
| [] {n , } | At least n times |
| [ ]{n,m} | Occur between n and m times |

^ == Start

$ == End

?=expression Matches if the expression matches at this assertion but does not advance over it

?!expression

?<=expression

?<!expression

Password match

^(?=.\*[A-Za-z])(?=.\*\d)(?=.\*[@$!%\*#?&])[A-Za-z\d@$!%\*#?&]{8,10}$